

## Abstract

The invention relates to statistical testing method for the objective verification of auditory steady-state responses (ASSR) in the frequency domain by using a "q-sample uniform scores test" whereby only the phase angles are used. Phase angles computed by Fourier transformation are used in one embodiment example. In another embodiment example, spectral amplitudes and phase angles are used; however, the phase angles remain unranked while ranks for the spectral amplitudes are still taken into account for the test. In yet another embodiment example, the values of the phase angles and of the spectral amplitudes are used directly (unranked) whereby said values are computed by means of Fourier transformation. The invention relates also to a testing device to carry out the statistical test method.

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